XPADI — Survivability-Governed Data Systems (SGDS)

Architecture flow for data continuity, authority control, distributed existence, and reconstruction after failure.

Problem Reality

Protection does not guarantee survival.

User Belief
"My data is safe"

Failure Conditions
- Attack
- Deletion
- Corruption
- System failure

Recovery becomes uncertain

XPADI Survivability Flow

Failure-aware data architecture: protect, distribute, survive, reconstruct, verify.

1. Data Input
User data enters a controlled flow

2. Authority
Control before sensitive action

3. Distributed Form
No single truth location

Failure Event
Attack / delete / crash / corruption

4. Survival State
Damage remains partial

5. Rebuild
Reconstruct

Outcome: data restored with a verifiable recovery path, not merely protected before fa

Category Shift

Old Model
Backup
Cloud
Encryption

XPADI
Survive
Rebuild
Verify

Shift from protection to survivability.

Raaj Mandale Systems Research Archive • XPADI Architecture Flow v1 • Public-safe conceptual architecture artifact

This diagram is a high-level architectural overview. It does not disclose proprietary recovery internals, cryptographic mechanisms, or authority-disk implementation details.